環境チェックレポート

(1) プロジェクト名

ガス焚複合火力発電プロジェクト

(2) 実施場所

ウズベキスタン共和国 Syrdarya 地区

(3) プロジェクト概要

天然ガス焚火力発電所を建設・所有及び運営するもの。

(4) カテゴリ分類

カテゴリA

(5) カテゴリ分類の根拠

本事業は、環境ガイドラインに掲げる影響を及ぼしやすいセクター(火力発電セクター)に該当し、影響を及ぼしやすい特性を持つため。

(6) 環境許認可

ウズベキスタン共和国制度に基づき、環境影響評価書 (EIA) が作成され、ウズベキスタン生態系・環境保護国家委員会 (the State Committee of the Republic of Uzbekistan on Ecology and Environmental Protection) より付帯条件付きで 2022 年 7 月 6 日に承認取得済。

(7) 汚染対策

大気質、水質、廃棄物及び騒音・振動等について、適切な措置が講じられている旨、確認されている。

(8) 自然環境面

自然環境面への影響に対して、適切な対策が講じられている旨、確認されている。

(9) 社会配慮面

本プロジェクトにより移転を含む社会経済的な影響を受ける住民に対して、適切な措置が講じられている旨、確認されている。

(10) 適用国際基準

IFC パフォーマンススタンダード

(11) その他・モニタリング

上述の環境レビュー結果を踏まえ、EIA の許認可に係る付帯条件の遵守 状況、大気質、補償の支払い状況等についてモニタリングを実施する予 定。

以上

Questions

Q1. Please provide the address of the project site.

Address of the project site: Shirin, Syrdarya Region, Uzbekistan

Q2. Please provide brief explanation of the project. An IPP project for building, owning, operation and transfer the gas-fired combined cycle power plant with the capacity of approximately 1,600MW. The planned site is adjacent to an existing gas/oil-fired steam cycle power plant in Syrdarya, approximately 150 km south of Tashkent. Q3. Will JBIC loan be applied to a new project or an executing project? In case of an executing project, please inform of strong claims by stakeholders such as local residents, as well as improvement guidance or cessation orders for construction work / operations, from environmental authorities. ☐ Executing Project (with Claim etc.) New Project New Project Executing Project (without Claim etc.)) ☐ Others (Please specify Q4. In case of this project, is it necessary to execute Environmental and Social Impact Assessment (ESIA) based on the laws or regulations of the country where the project is to be implemented? If necessary, please inform the progress of ESIA. Required (under execution or under planning) ☐ Required (completed) Others (Please specify ☐ Not Required) O5. In case that ESIA is already completed, please inform whether ESIA report is already approved based on the environmental and social assessment system of the country where the project is to be implemented or not. If ESIA report is already approved, please provide the date and name of authorities of the approval. ☐ Approved (without condition) ☐ Approved (conditional) Others (Under Preparation) ☐ Under approval process Date of Approval: Name of Authorities: If environmental and social permit(s) other than ESIA is required, please provide the name of required permit(s). Have you obtained required permit(s)? Required, but not obtained yet ☐ Obtained Others (Please specify) ☐ Not required Name(s) of required permit(s): Permit for construction - and land acquisition; Environmental Conclusion, Health Protection Zone; Cultural Heritage Permit; Visual geological and engineering judgement;

- Exploration License (groundwater);
- Approval of construction or reorientation activities (access roads);
- Transportation Permit;
- Waste Disposal Permit;
- Environmental Conclusion (Stage III of SEE process);

If you answered "Yes", it is not necessary to reply to the following questions. If you answered "No", please reply to the following questions. Q8. Are there any environmentally sensitive area(s) shown below in and around project site(s)? (Yes /No) If you answered "Yes", please select applicable items by marking, and reply to the following questions. If you answered "No", please reply to the questions 9 and after. (1) National parks, nationally-designated protected areas (coastal areas, wetlands, areas for ethnic minorities or indigenous people, and cultural heritage, etc. designated by national governments) (2) Forests with important ecological value (including primary forests and natural forests in tropical areas) (3) Habitats with important ecological value (including coral reefs, mangrove, wetland and tidal flats.) (4) Habitats of rare species requiring protection under domestic legislation, international treaties, etc. (5) Areas in danger of large-scale salt accumulation or soil crosion (6) Areas with a remarkable tendency towards desertification (7) Areas with unique archaeological, historical or cultural value (8) Areas inhabited by ethnic minorities, indigenous peoples or nomadic peoples with traditional ways of life(including areas which are used for cultural or spiritual purposes) and other areas with special social value Q9. Does the project involve following characteristics? ((es) No) If you answered "Yes", please describe the scale of applicable characteristics, and reply to the questions 10 and after. If you answered "No", please reply to the questions 11 and after. (Number of affected people: Under investigation) (Number of affected people: Under investigation) (2) Pumping of groundwater (Scale: Under investigation mi/year) (3) Land reclamation, development and/or clearing () (4) Deforestation (Scale: ha)		Will the loan be used for the undertaking that cannot specify the project at this stage (e.g. export or lease thinery that has no relation with specific project, or Two Step Loan that cannot specify the project at the floan agreement)?
If you answered "No", please reply to the following questions. Q8. Are there any environmentally sensitive area(s) shown below in and around project site(s)? (Yes / No)		Yes No
(Yes /No) If you answered "Yes", please select applicable items by marking, and reply to the following questions. If you answered "No", please reply to the questions 9 and after. (1) National parks, nationally-designated protected areas (coastal areas, wetlands, areas for ethnic minorities or indigenous people, and cultural heritage, etc. designated by national governments) (2) Forests with important ecological value (including primary forests and natural forests in tropical areas) (3) Habitats with important ecological value (including coral reefs, mangrove, wetland and tidal flats.) (4) Habitats of rare species requiring protection under domestic legislation, international treaties, etc. (5) Areas in danger of large-scale salt accumulation or soil erosion (6) Areas with a remarkable tendency towards desertification (7) Areas with unique archaeological, historical or cultural value (8) Areas inhabited by ethnic minorities, indigenous peoples or nomadic peoples with traditional ways of life(including areas which are used for cultural or spiritual purposes) and other areas with special social value Q9. Does the project involve following characteristics? (((es) No) If you answered "Yes", please describe the scale of applicable characteristics, and reply to the questions 10 and after. (1) Involuntary resettlement and/or loss of means of livelihood (Number of affected people: Under investigation) (2) Pumping of groundwater (Scale: Under investigation in "/year)	If you	answered "Yes", it is not necessary to reply to the following questions. answered "No", please reply to the following questions.
If you answered "Yes", please select applicable items by marking, and reply to the following questions. If you answered "No", please reply to the questions 9 and after. (1) National parks, nationally-designated protected areas (coastal areas, wetlands, areas for ethnic minorities or indigenous people, and cultural heritage, etc. designated by national governments) (2) Forests with important ecological value (including primary forests and natural forests in tropical areas) (3) Habitats with important ecological value (including coral reefs, mangrove, wetland and tidal flats.) (4) Habitats of rare species requiring protection under domestic legislation, international treaties, etc. (5) Areas in danger of large-scale salt accumulation or soil erosion (6) Areas with a remarkable tendency towards desertification (7) Areas with unique archaeological, historical or cultural value (8) Areas inhabited by ethnic minorities, indigenous peoples or nomadic peoples with traditional ways of life(including areas which are used for cultural or spiritual purposes) and other areas with special social value Q9. Does the project involve following characteristics? ((**es*) No*) If you answered "Yes*", please describe the scale of applicable characteristics, and reply to the questions 10 and after. (1) Involuntary resettlement and/or loss of means of livelihood (Number of affected people: Under investigation) (2) Pumping of groundwater (Scale: Under investigation in **/year) (3) Land reclamation, development and/or clearing ()	Q8.	Are there any environmentally sensitive area(s) shown below in and around project site(s)?
If you answered "No", please reply to the questions 9 and after. (1) National parks, nationally-designated protected areas (coastal areas, wetlands, areas for ethnic minorities or indigenous people, and cultural heritage, etc. designated by national governments) (2) Forests with important ecological value (including primary forests and natural forests in tropical areas) (3) Habitats with important ecological value (including coral reefs, mangrove, wetland and tidal flats.) (4) Habitats of rare species requiring protection under domestic legislation, international treaties, etc. (5) Areas in danger of large-scale salt accumulation or soil crosion (6) Areas with a remarkable tendency towards desertification (7) Areas with unique archaeological, historical or cultural value (8) Areas inhabited by ethnic minorities, indigenous peoples or nomadic peoples with traditional ways of life(including areas which are used for cultural or spiritual purposes) and other areas with special social value Q9. Does the project involve following characteristics? ((**es*) No)		Yes /No
minorities or indigenous people, and cultural heritage, etc. designated by national governments) (2) Forests with important ecological value (including primary forests and natural forests in tropical areas) (3) Habitats with important ecological value (including coral reefs, mangrove, wetland and tidal flats.) (4) Habitats of rare species requiring protection under domestic legislation, international treaties, etc. (5) Areas in danger of large-scale salt accumulation or soil erosion (6) Areas with a remarkable tendency towards desertification (7) Areas with unique archaeological, historical or cultural value (8) Areas inhabited by ethnic minorities, indigenous peoples or nomadic peoples with traditional ways of life(including areas which are used for cultural or spiritual purposes) and other areas with special social value Q9. Does the project involve following characteristics? ((es) No)		
areas) (3) Habitats with important ecological value (including coral reefs, mangrove, wetland and tidal flats.) (4) Habitats of rare species requiring protection under domestic legislation, international treaties, etc. (5) Areas in danger of large-scale salt accumulation or soil erosion (6) Areas with a remarkable tendency towards desertification (7) Areas with unique archaeological, historical or cultural value (8) Areas inhabited by ethnic minorities, indigenous peoples or nomadic peoples with traditional ways of life(including areas which are used for cultural or spiritual purposes) and other areas with special social value Q9. Does the project involve following characteristics? ((es) No)		
(3) Habitats with important ecological value (including coral reefs, mangrove, wetland and tidal flats.) (4) Habitats of rare species requiring protection under domestic legislation, international treaties, etc. (5) Areas in danger of large-scale salt accumulation or soil erosion (6) Areas with a remarkable tendency towards descrification (7) Areas with unique archaeological, historical or cultural value (8) Areas inhabited by ethnic minorities, indigenous peoples or nomadic peoples with traditional ways of life(including areas which are used for cultural or spiritual purposes) and other areas with special social value Q9. Does the project involve following characteristics? ((esy) No) If you answered "Yes", please describe the scale of applicable characteristics, and reply to the questions 10 and after. (1) Involuntary resettlement and/or loss of means of livelihood (Number of affected people: Under investigation) (2) Pumping of groundwater (Scale: Under investigation in³/year) (3) Land reclamation, development and/or clearing ()		
(4) Habitats of rare species requiring protection under domestic legislation, international treaties, etc. (5) Areas in danger of large-scale salt accumulation or soil erosion (6) Areas with a remarkable tendency towards desertification (7) Areas with unique archaeological, historical or cultural value (8) Areas inhabited by ethnic minorities, indigenous peoples or nomadic peoples with traditional ways of life(including areas which are used for cultural or spiritual purposes) and other areas with special social value Q9. Does the project involve following characteristics? ((es) No)		(3) Habitats with important ecological value (including coral reefs, mangrove, wetland and tidal
 ☐ (5) Areas in danger of large-scale salt accumulation or soil erosion ☐ (6) Areas with a remarkable tendency towards desertification ☐ (7) Areas with unique archaeological, historical or cultural value ☐ (8) Areas inhabited by ethnic minorities, indigenous peoples or nomadic peoples with traditional ways of life(including areas which are used for cultural or spiritual purposes) and other areas with special social value Q9. Does the project involve following characteristics? ☐ (1) Involuntary resettlement and/or loss of means of livelihood		☐ (4) Habitats of rare species requiring protection under domestic legislation, international treaties,
 ☐ (7) Areas with unique archaeological, historical or cultural value ☐ (8) Areas inhabited by ethnic minorities, indigenous peoples or nomadic peoples with traditional ways of life(including areas which are used for cultural or spiritual purposes) and other areas with special social value Q9. Does the project involve following characteristics? ☐ (No) If you answered "Yes", please describe the scale of applicable characteristics, and reply to the questions 10 and after. ☐ (1) Involuntary resettlement and/or loss of means of livelihood		☐ (5) Areas in danger of large-scale salt accumulation or soil erosion
 □ (8) Areas inhabited by ethnic minorities, indigenous peoples or nomadic peoples with traditional ways of life(including areas which are used for cultural or spiritual purposes) and other areas with special social value Q9. Does the project involve following characteristics? (Yes) No) If you answered "Yes", please describe the scale of applicable characteristics, and reply to the questions 10 and after. If you answered "No", please reply to the questions 11 and after. □ (1) Involuntary resettlement and/or loss of means of livelihood		
If you answered "Yes", please describe the scale of applicable characteristics, and reply to the questions 10 and after. If you answered "No", please reply to the questions 11 and after. (1) Involuntary resettlement and/or loss of means of livelihood (Number of affected people: Under investigation) (2) Pumping of groundwater (Scale: Under investigation m³/year) (3) Land reclamation, development and/or clearing ()		Areas inhabited by ethnic minorities, indigenous peoples or nomadic peoples with traditional ways of life(including areas which are used for cultural or spiritual purposes) and other areas
If you answered "Yes", please describe the scale of applicable characteristics, and reply to the questions 10 and after. If you answered "No", please reply to the questions 11 and after. (1) Involuntary resettlement and/or loss of means of livelihood (Number of affected people: Under investigation) (2) Pumping of groundwater (Scale: Under investigation m³/year) (3) Land reclamation, development and/or clearing ()	Q9.	Does the project involve following characteristics?
after. If you answered "No", please reply to the questions 11 and after. (1) Involuntary resettlement and/or loss of means of livelihood (Number of affected people: Under investigation) (2) Pumping of groundwater (Scale: Under investigation m³/year) (3) Land reclamation, development and/or clearing ()		Yes' No)
(1) Involuntary resettlement and/or loss of means of livelihood (Number of affected people: Under investigation) (2) Pumping of groundwater (Scale: Under investigation m³/year) (3) Land reclamation, development and/or clearing ()	_	answered "Yes", please describe the scale of applicable characteristics, and reply to the questions 10 and
(Number of affected people: Under investigation) (2) Pumping of groundwater (Scale: Under investigation m³/year) (3) Land reclamation, development and/or clearing ()	If yo	answered "No", please reply to the questions 11 and after.
(2) Pumping of groundwater (Scale: Under investigation m³/year) (3) Land reclamation, development and/or clearing ()		·
	Q	(2) Pumping of groundwater (Scale: Under investigation m³/year)
Q10. Under the environmental and social impact assessment system of the country where the project is to be implemented, do the applicable characteristics from $(1) - (4)$ of the questions 9 above and their scale serve as basis for executing an ESIA for the project?	imple	nented, do the applicable characteristics from $(1) - (4)$ of the questions 9 above and their scale serve as
☐ They do not ☐ They do not ☐ Others (

Q11	May the project involve significant social impacts?			
. ((Yes /No)			
If you answered "Yes", please describe the outline of the impacts, and reply to the questions 12 and after. If you answered "No", please reply to the questions 12 and after.				
	The likelihood of severe project-related human rights impacts Others	()	
	Will JBIC share in the project be equal or less than 5% of the loan equal or less than SDR 10 million? (In the case of additional ecumulated total amount)			
ı	(Yes No)			
	answered "Yes", it is not necessary to reply to the following quest answered "No", please reply to the questions 13 and after.	tions.		
imn non	Does the project belong to either of the sectors that impact on material or is not anticipated under normal conditions (e.g. n-expansionary renovation project, and acquisition of rights are stment)?	maintenance	of the existing facilities,	
	(Yes No)			
	answered "Yes", it is not necessary to reply to the following quest answered "No", please reply to the questions 14 and after.	ions.		
Q14.	Does the project belong to the following sectors? (Yes/ No)			
If you If you	answered "Yes", please specify the sector by marking, and reply to answered "No", it is not necessary to reply to the following questions.	to the questions.	ons 15 and after.	
	 Mining Oil and natural gas development Pipelines Iron and steel (projects that include large furnaces) Non-ferrous metals smelting and refining Petrochemicals (manufacture of raw materials; including co Petroleum refining Oil, gas and chemical terminals Paper and pulp Cement plants (including a greenfield quarry) Manufacture and transport of toxic or poisonous substances Thermal power Nuclear power Hydropower, dams and reservoirs Power transmission and distribution lines involving large-selogging or submarine electrical cables Roads, railways and bridges Airports 	regulated by		

(18) Ports and harbors
(19) Sewage and wastewater treatment having sensitive characteristics or located in sensitive areas or
their vicinity
(20) Waste management and disposal
(21) Agriculture involving large-scale land-clearing or irrigation
(22) Forestry
(23) Tourism (construction of hotels, etc.)

Q15. Please provide information on the scale of the project (project area, area of plants and buildings, production capacity, amounts of power generation, etc.) Further, pleased explain whether an execution of ESIA is required on account of the large scale of the project in the country where the project is implemented

Project Area for power plant	Around 55 ha
Production Capacity	Approximately
	1,600 MW

Thermal Power Plants (300 MW capacity or more) is categorized Category I project under the Decree of the Cabinet of Ministers of 22.11.2018 № 949 and it will require the preparation of an Environmental and Social Impact Assessment (ESIA) to support national permitting requirements under the Law "On Environmental Expertise" No.73- II of 25.05.2000)